

ABSTRACT OF THE DISCLOSURE

Method for the purification of a volatile metal hydride comprising obtaining a
5 volatile metal hydride feed containing one or more acidic impurities, one of which is a
sulfur-containing impurity; contacting the feed with an alkaline material and reacting at
least a portion of the sulfur-containing impurity with the alkaline material to remove a
portion of the sulfur-containing impurity from the feed and provide an intermediate
purified material; and contacting the intermediate purified product with an adsorbent
10 material to remove at least a portion of the sulfur-containing impurity from the
intermediate purified material and provide a purified volatile metal hydride product.

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